

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091919\
 Data File : VV012907.D
 Acq On : 18 Sep 2019 21:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:19:58 AM

Quant Time: Sep 19 04:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 07 11:41:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	394748	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	381254	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	186301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143226	6.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.20%
7) Chloroethane-d5	1.58	69	128134	8.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	163.60%#
11) 1,1-Dichloroethene-d2	2.13	63	226470	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.80%
20) 2-Butanone-d5	3.96	46	205656	40.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.06%
24) Chloroform-d	4.40	84	271892	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.08	65	130777	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	535106	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
36) 1,2-Dichloropropane-d6	6.12	67	167450	6.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.80%
41) Toluene-d8	7.36	98	484612	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.66	79	56581	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.14	63	182430m	43.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.86%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	126122	6.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.20%#
66) 1,2-Dichlorobenzene-d4	11.67	152	170292	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	138951	3.089	ug/L	98
3) Chloromethane	1.25	50	134787	5.234	ug/L	100
5) Vinyl chloride	1.32	62	146191	5.549	ug/L	96
6) Bromomethane	1.54	94	75919	4.821	ug/L	97
8) Chloroethane	1.60	64	82256	5.745	ug/L	97
9) Trichlorofluoromethane	1.77	101	186778	4.144	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110634	5.651	ug/L	91
12) 1,1-Dichloroethene	2.14	96	100543	5.544	ug/L	93
13) Acetone	2.22	43	97450m	34.899	ug/L	
14) Carbon disulfide	2.32	76	214054	4.227	ug/L	99
15) Methyl Acetate	2.47	43	30217	5.266	ug/L	90
16) Methylene chloride	2.53	84	125524	6.749	ug/L	93
17) Methyl tert-butyl Ether	2.81	73	256797	4.504	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	106644	4.081	ug/L	96
19) 1,1-Dichloroethane	3.23	63	230965	4.943	ug/L	97
21) 2-Butanone	4.05	43	191589	34.774	ug/L #	66
22) cis-1,2-Dichloroethene	3.96	96	128655	4.624	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	54181	4.440	uq/L	93
25) Chloroform	4.42	83	246783	4.212	uq/L	97
27) 1,2-Dichloroethane	5.18	62	131539	4.068	uq/L #	94
29) 1,1,1-Trichloroethane	4.66	97	192641	4.087	uq/L	97
30) Cyclohexane	4.73	56	163769	4.062	uq/L	93
31) Carbon tetrachloride	4.87	117	160680	3.789	uq/L	100
33) Benzene	5.15	78	492771	4.758	uq/L	100
34) Trichloroethene	5.96	95	126631	4.287	uq/L	98
35) Methylcyclohexane	6.18	83	170992	3.695	uq/L	96
37) 1,2-Dichloropropane	6.22	63	132321	5.523	uq/L	100
38) Bromodichloromethane	6.55	83	163272	4.826	uq/L	98
39) cis-1,3-Dichloropropene	7.07	75	164205	4.371	uq/L	100
40) 4-Methyl-2-pentanone	7.28	43	670234	49.591	uq/L	97
42) Toluene	7.43	91	537708	4.670	uq/L	99
44) trans-1,3-Dichloropropene	7.69	75	135773	4.470	uq/L	100
45) 1,1,2-Trichloroethane	7.88	97	91589	5.012	uq/L	93
47) Tetrachloroethene	8.02	164	102187	3.959	uq/L	98
48) 2-Hexanone	8.19	43	468418m	49.040	uq/L	
49) Dibromochloromethane	8.29	129	113417	5.062	uq/L	94
50) 1,2-Dibromoethane	8.40	107	80324	4.703	uq/L	100
51) Chlorobenzene	8.92	112	353074	4.586	uq/L	99
52) Ethylbenzene	9.05	91	564705	4.298	uq/L	100
53) m,p-xylene	9.18	106	213796	4.274	uq/L	99
54) o-xylene	9.59	106	207148	4.376	uq/L	97
55) Styrene	9.60	104	367786	4.611	uq/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	111623	5.692	uq/L	100
59) Bromoform	9.77	173	59874	5.316	uq/L	96
60) Isopropylbenzene	9.97	105	567948	4.772	uq/L	99
61) 1,2,3-Trichloropropane	10.32	75	80125	5.901	uq/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	434269	4.419	uq/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	455577	4.666	uq/L	97
64) 1,3-Dichlorobenzene	11.22	146	283080	4.773	uq/L	98
65) 1,4-Dichlorobenzene	11.32	146	276953	4.582	uq/L	98
67) 1,2-Dichlorobenzene	11.69	146	266313	4.941	uq/L	99
68) 1,2-Dibromo-3-chloropropan	12.48	75	15462	5.523	uq/L	91
69) 1,3,5-Trichlorobenzene	12.69	180	213351	4.351	uq/L	99
70) 1,2,4-trichlorobenzene	13.31	180	163424	4.212	uq/L	98
71) Naphthalene	13.55	128	233232	4.332	uq/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	162508	4.725	uq/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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